



moviplan iC XF/XA

Radiographic bucky table, column with touch screen interface

Product Data

Table

Tabletop dimensions	2300 x 850 mm
Radio transparent area	2190 x 658 mm
Tabletop surface	Flat, totally smooth without raised edges
Material	Plastic laminate (standard) Carbon fiber (option)
Filtration	Plastic: ≤ 0.9 mm Al @ 100 kVp, HVL = 3.6 mm Al Carbon fiber: ≤ 0.5 mm Al @ 100 kVp, HVL = 3.6 mm Al
Longitudinal tabletop movement	Manual (floating), 1200 mm (± 600 mm)
Transversal tabletop movement	Manual (floating), 260 mm (± 130 mm)
Height from ground	800 mm for fixed height table (XF) 460 ÷ 850 mm for elevating table (XA). Run 390 mm
Max patient weight	375 kg max static weight with centered tabletop. Limit for elevator (XA): 250 kg
Table weight	480 kg

Bucky

Predisposition	Film cassettes, portable flat panel detectors, fixed flat panel detectors
Type	- Standard bucky for film cassettes - Rotating bucky for portable detectors in option - Bucky for fixed detectors in option
Cassettes size	From 13x18 cm to 35x43 cm. (up to 43x43 cm for portable digital detectors)
Longitudinal movement	Manual, run 560 mm. Motorized, run 540 mm. For optional rotating bucky: run 530 mm (manual and motorized)
Cassette centering	Semi-automatic
AEC measuring chamber	Predisposed for 3 fields measuring chamber
Skin to film distance	68 mm
Grid (other models on request)	- On standard bucky: R12, F = 110 cm, 40 L/cm - On rotating bucky: R12, F = 110 cm, 40 L/cm - On bucky for fixed detector: R10, F = 120 cm, 34 L/cm
Grid functions	Oscillating, not removable on standard bucky. Stationary, removable on rotating bucky. Oscillating, removable on bucky for fixed flat panel detector.



Column

Longitudinal column movement	Manual, run 2110 mm. Motorized movement in option
Tube arm vertical movement	Manual, run 1700 mm. Motorized in the configuration with vertical auto-tracking, stitching, auto-positioning functions
Tube arm transversal movement	Manual, run 250 mm
Column rotation around its axis	Manual, $\pm 90^\circ$
Tube rotation around horizontal axis	Motorized, $\pm 180^\circ$
Focus to Floor distance	335 ÷ 2035 mm (might change depending on tube type)
Column installation	Floor mounted rails (no wall or ceiling attachment necessary)
Column weight	185 kg

Functions

Predisposition for x-ray tube	Any type with weight up to 25 kg
Position of controls	Touch screen interface and keyboard mounted on the tube head.
Touch screen interface	<p>8.4" touch screen with graphical user interface.</p> <p>Available functions:</p> <ul style="list-style-type: none"> - In the main page it is possible to move the tube automatically according to a preset SID or a preset inclination angle, select the working place, activate the auto-tracking functions, set the collimation area, adjust some exposure parameters. Display of: focalisation of the grid in use in the working place where the X-ray tube is pointed to, operative and error messages - Generator page with selection of exposure parameters: kV, mA, mAs, ms, AEC chamber, small/large focus, working technique, working place, display of the anode thermal load and DAP reading (if the system is equipped with DAP measuring chamber) - APR page* for the display of the exposures to be performed in the exam procedure and the display of the acquired X-ray image, with choice between acceptance and refusal* - Stitching page*, for the set-up of the stitching procedure - User set-up page, to set some of the equipment's user preferences <p>* Function available only with the digital acquisition system</p>
Tabletop movements unlocking	<p>With photocell at floor level to unlock floating tabletop and elevator movements.</p> <p>A switch lever allows to select the 2-way or 4-way movement of the floating tabletop</p>



Movement locking	With electromagnetic and permanent magnet brakes
Projections	<ul style="list-style-type: none"> - Perpendicular on bucky - Oblique on bucky - Lateral (with optional accessories) - Off-table - On chest stand (optional)
Horizontal/oblique auto-tracking	The table's bucky automatically follows the longitudinal movement of the column and the tube rotation to keep the tube-receptor alignment
Optional functions (only for built-in order)	<ul style="list-style-type: none"> - Anti-crushing system (only for XA table): pressure sensors located below the table-top structure measure the pressure variation during the table's vertical movement in both directions and stop the movement in presence of obstacles - Vertical auto-tracking: the tube automatically follows the vertical movement of the receptor to keep the tube-receptor alignment (with the chest stand) or the preset SID (with elevating table) - Stitching: procedure typically dedicated to exam of vertebral column and inferior limbs. A set of exposure, taken on the chest stand or on the table, are automatically acquired and pasted in a single image by the digital acquisition system. Function available only with digital acquisition system, it requires column with all motorized movements, automatic collimator. - Auto-positioning: in function of the anatomic procedure, the system automatically sets position of column and tube, position of receptor, focus-receptor distance, size of collimated area. Function available only with digital acquisition system, it requires column with all motorized movements, automatic collimator.



Collimator

Type	Manual or automatic according to selected configuration
Limitation	Square and rectangular with laser for bucky centering
Light source	LED lamp with timer
SID measurement	With retractable tape measure
Field coverage	48x48 cm @ SID = 100 cm
Inherent filtration	2 mm Al eq. @ 100kVp, HVL = 2.7 mm Al

Accessories

Handle	1 handle as standard. Additional handle in option
Gynaecological legs support	Option
Compression band	Option
Lateral cassette support	Option
1 meter rail extension	Option

Electrical features

	Table	Column (motorized)
Standard power supply voltage	Single phase 115/230 Vac $\pm 10\%$	Single phase 110-240 Vac $\pm 10\%$
Adsorbed current	1.3/0.6 A (fixed table) 8/3.6 A (elevating table)	0.95 A (110V) 0.5 A (240V)
Adsorbed power	144/136 VA (fixed table) 917/837 VA (elevating table)	109 VA 108 W (110V) 113 VA 110 W (240V)
Frequency	50-60 Hz	
Equipment type and classification (IEC 60601-1)	Class I with type B applied parts	
Degree of protection (IEC 60529)	IPX0	
Operating mode	Continuous	

Environmental conditions

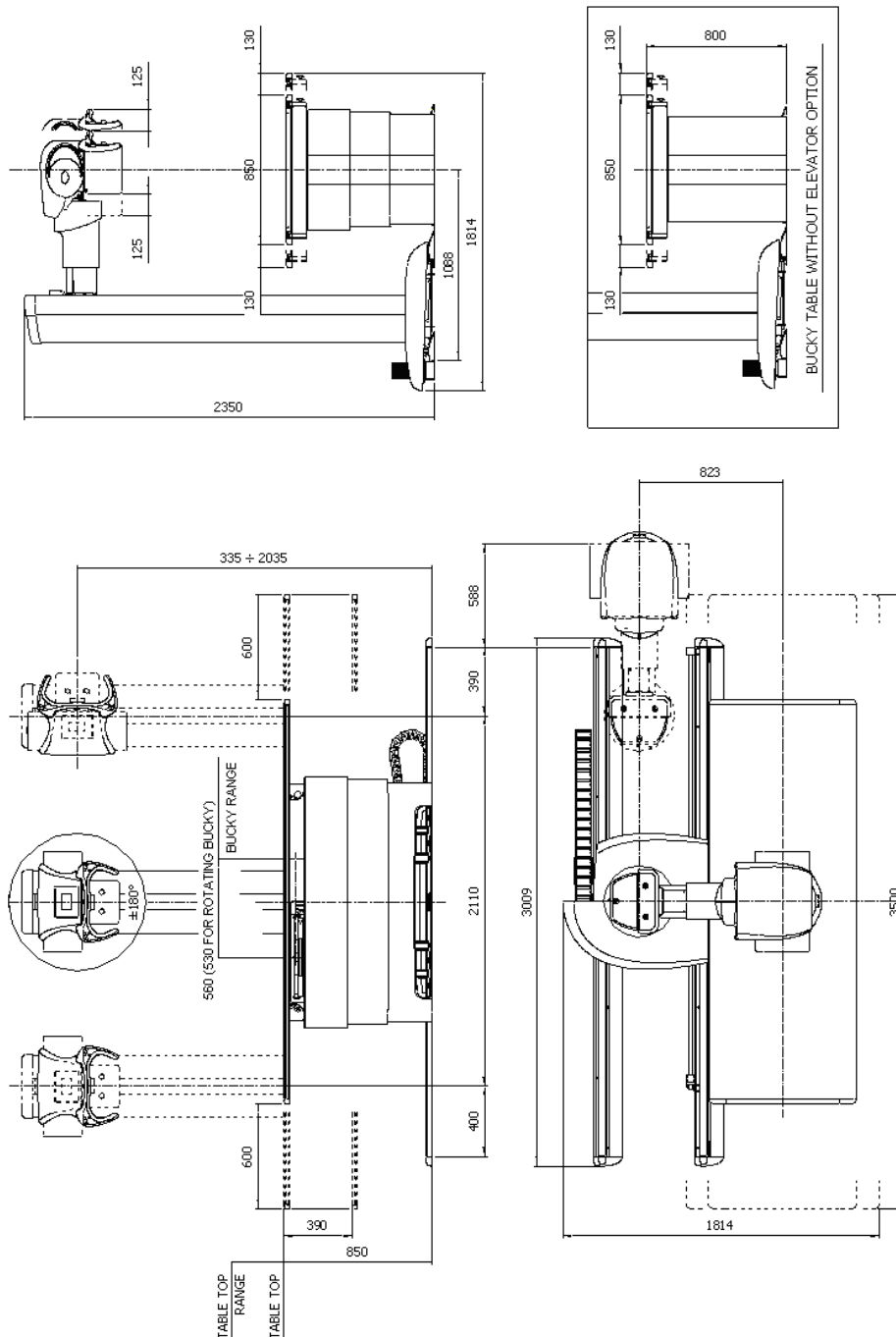
Operating conditions	Temperature: +10° to +40° Celsius Humidity: 30% to 75% Pressure: 700 hPa to 1060 hPa
Conditions for transport and storage	Temperature: -20° to +70° Celsius Humidity: up to 95 % non condensing Pressure: >630 hPa

Standards and regulation

	CE symbol grants the product compliance to the European Directive for Medical Devices 93/42/EEC and its revised versions
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Dimensions (all quotes in mm)



Note: Products are continuously under review in the light of technical advancement. The actual specification may therefore be subject to improvement or modification without notice.

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